



AIRMAN PHOTOGRAPHER TAKES ON THE AIR FORCE CENTRIFUCE

BY MASTER SQT. LANCE CHEUNG PHOTOS BY MASTER SQT. LANCE CHEUNG AND MASTER SQT. SCOTT WAGERS

THAN I HAD EVER FACED "LEGS TICHT ... BUTT TICHT ... BREATHE,

a voice yells at me. With all that I can muster, I turn my lower body to stone and when told to — breathe. It's all one can do when riding a human salad spinner with an attitude and 1,000 horsepower. That kind of energy and centrifugal force can multiply your body weight six-fold in a single second.

On this day, I was going for the "big kahuna" — **SC**s FOR 15 SECONDS. That's nine times the gravitational effect (G-force) on my body weight of 180 pounds, or 1,620 pounds being forced into the seat in an enclosed of the red center and two outer green lights set gondola at the end of a 19 1/2-foot steel arm.

the command to breathe — if only to let my heart suck in a bit of blood and squeeze it up to my fading brain.

My lifeline — the encouraging voice of Staff Sgt. Max Alvarado, an aerospace physiology specialist with the Air Force Research Laboratory's Detachment 5 at Brooks City-Base, Texas, was shouting commands [at the 3-second mark] to help me keep sight of my goal — 9-G's.

Since peripheral vision is often the first indicator of blood loss from the brain. I fight to keep sight a few feet away. The video of my spin [see www. Inside the gondola, I'm wishing for either mommy or af.mil/news/airman/0507/Xtreme.shtml] shows

my eyes open, but inside my head, things were turning gray and murky. Then Sergeant Alvarado shouts.

"COMING DOWN, COMING DOWN ... OUTSTANDING!"

As the centrifuge slowed down, I have an uncontrollable sense of tumbling forward and down. Thanks to the Coriolis effect my sense of what is normal is completely warped. In reality, I am sitting perfectly still. After a few minutes, the sensation was gone. What stayed was knowing I had survived more G-forces than I had ever faced during any of my fighter missions and that I had beat an Air Force extreme machine.

THE PRIMARY MISSION of the centrifuge at

the Air Force Research Laboratory, Detachment 5, is to develop and assess the effectiveness of experimental aircrew G-protection equipment and methods. Plus it provides a means for indoctrination and training of aeromedical specialists and other aerospace personnel, such as pilots and astronauts, in using protective techniques.